

Product datasheet for **MG222840**

Fiz1 (NM_001110330) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fiz1 (NM_001110330) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fiz1
Synonyms:	A1790204; mFLJ00416
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222840 representing NM_001110330
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGACTCCTCGCTGCCTGTGGTTCCTGCCCCATCGCTGCTCCAGGACCAGCACCATCTGCCACTG
 CGCCTCGGGTCCCCTTTCACTGTAGCGAATGTGGCAAGAGTTTCCGTTACCGATCAGACCTGAGGCGCCA
 CTTTGCTCGACACACGGCTCTCAAGCCCCACGCATGTCCTCGATGCGGTAAGGGTTC AAGCATAGCTTC
 AACTTGGTAACCACTGCGCTCACACTGGTGAACGACCCTACCGATGCTCTGCCTGCCCTAAGGGAT
 TCCGAGACTCCACTGGCCTGCTGCACCACCAGGTGGTCCACTGGTAAAAGCCCTACTGCTGTTTGGT
 CTGTGAGCTCCGCTTCTCCTCTCGCTCCAGCCTGGGCGCCATCTCAAGCGGCAGCACCGGGGCACACTT
 CCCTCTCCCTGCAGCCTAGCCCCGGCCTGCCTCCCTGAGCTCCCTGCTCAGTATGTTGCAACGTGG
 GTCCTGTTCCGTTTGTGGAGGTGGAGGTCCAGTGGAGGAGAGGGCCTGGAGGGAGCAGGAGCAACCAG
 CTGGGGACTGGCAGAGGCTGCAGCAGCCGCGGCAGCCTCGCTGCCCCATTTGCATGCGGTGCCTGTGCC
 AGGCGTTTTGACCATGGCCGGGAGCTTGCAGCCACTGGGCCGCACACCGATGTGAAGCCATTCAAGT
 GCCCTCGCTGTGAGCGGACTTCAACGCACCTGCGCTGCTGGAACGCCACAAGCTCACTCATGACCTGCA
 GGGGAGCAATGCACCTCCAACGCAGTTTGGGCCCTCGGTGGGGTCCGGAGGTGGCAGGAGAGGGAGAT
 GCCTCAGAGGTGGGGGCCGCCCCAGACTTGGGACGCCGGGCTGCTCCTGAGCCCTACCGGGCAGGGC
 TGCCCAAGCTGGAGGCATTGCTCCCGGGGACGAGGGCTCTGGGAATGACCAGGCTCCGGCTGCAGCAGC
 CGAAGCATCTTCGGAAGACACTGTACCAGTGCAGCTGCGGGACCTTCTTCGCATCTGCCCGGCTTTG
 GCCAGCCATTTAGAGGCTCACTCAGGCCAGCCACTTATGGCTGTGGCCACTGCGGGGCGCTGTACGCAG
 CGCTGGCTGCCCTGGAGGAGCATCGGCTGCAAGCCATGGTGGGGTACCGGGGAGCAGCCGCCGATGG
 TGAGGGCAATCAGGCGGCTGACGGGCCGGACCCGGCTCCTCCAGCCGTAGCAAGAAGATCTTTGGCTGT
 TCCGAATGTGAGAAGCTGTTCCGTTACCTCGAGACCTGAAAAGGCATGTGTTGGTCCATACCGGGGAAA
 AGCCGTTCCCGTGCCTGGAGTGTGGCAAGTTCTTCCGCCACGAGTGTACCTCAAGCGTCAACCGGCTGT
 GCATGGCACAGAGCGGCCCTTCCCTGCCACATCTGTGGCAAGGGCTTACACGCTTAGCAACCTCTCC
 AGGCATCTGAAGCTACACAGGGCATGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222840 representing NM_001110330
 Red=Cloning site Green=Tags(s)

MEDSSLPVVPAPIAAPGPAPSATAPRVPFHCSECGKSFYRSDLRHRHFARHTALKPHACPRCGKGFKHSF
 NLANHLRSHTERPYRCSACPKGFRDSTGLLHHQVVHTGEKPYCCLVCELRFSSRSLGRHLKRQHRGTL
 PSPLQPSPLPPLSSPCSVCCNVGPCSVGGGSSGGEGLEGAGATSWGLAEAAAAAASLPPFACGACA
 RRFDDHGRELAHWAHTDVKPFKPCRERDFNAPALLERHKLTHDLQGSNAPPTQVWASGGGPEVAGEGD
 ASEVGAAPQTWDAGLLLSPGTAGVPKLEALLPGDEGSGNDQAPAAAAEASSEDTLYQDCGTFASFAPAL
 ASHLEAHSGPATYCGHCGALYAALAEHRRASHGEGSGEAAPDGEGNQAADGPGGSSRSKIFGC
 SECEKLFRRSPDLERHVLVHTGEKPFPCLECGKFFRHECYLKRHLLHGTERPFPCHICGKGFITLSNLS
 RHLKLRGMD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI
BamHI *KpnI*
RBS
Kozac
Consensus
SgfI
AscI

CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

HindIII
NheI *RsrII*
MluI
NotI
XhoI
GFP Tag

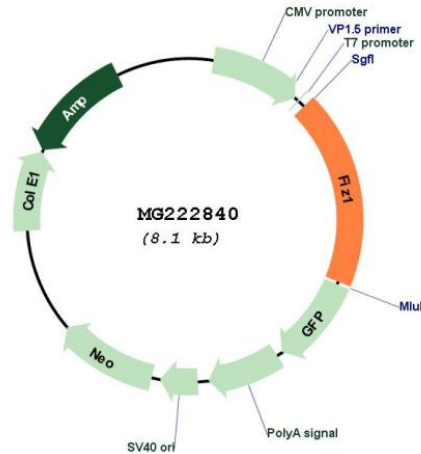
CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

T R T R P L E
M E S D - - -

PmeI
FseI

--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT

- - - E E R V Stop

Plasmid Map:


ACCN: NM_001110330

ORF Size: 1500 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001110330.1](#), [NP_001103800.1](#)

RefSeq Size: 2545 bp

RefSeq ORF: 1503 bp

Locus ID: 23877

UniProt ID: [Q9WTJ4](#)

Cytogenetics: 7 A1

Gene Summary: May be a transcriptional repressor of NRL function in photoreceptors. Does not repress CRX-mediated transactivation (By similarity).[UniProtKB/Swiss-Prot Function]